

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/573,023-Conf. #4509
				Filing Date	March 22, 2006
				First Named Inventor	Yasushige Yonezawa
				Art Unit	1631
				Examiner Name	M. L. Borin
Sheet	1	of	1	Attorney Docket Number	W1878.0229

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Sakuma et al., "Daikibo Seitai Bunshi Keisan ni Muketa QM/MM System no Kaihatsu," Joho Kagaku Toronkai, Kozo Kassei Sokan Symposium Koen Yoshishu, pgs. 95-96 (2002)	
	CB	Jiali Gao, Methods and Applications of Combined Quantum Mechanical and Molecular Mechanical Potentials", Reviews in Computational Chemistry, Vol. 7, Editors: K.B. Lipkowitz and D.B. Boyd, VCH Publishers, Inc., New York, pgs. 119-185 (1996)	
	CC	Field et al., Journal of Computational Chemistry, Vol. 11, pgs. 700-733 (1990)	
	CD	Philipp et al., Journal of Computational Chemistry, Vol. 20, pgs. 1468-1494 (1999)	
	CE	Vreven et al., Journal of Computational Chemistry, Vol. 21, pgs. 1419-1432 (2000)	
	CF	Yonezawa et al., "Development of the Method of the Calculation for Hybrid QM/MM Simulation", Biophysics, Vol. 43, Supplement 1, B198, Abstracts for 41st Annual Meeting, The Biophysical Society of Japan (2003) (w/concise English Explanation)	
	CG	Denshi Kozo no Riron Nyumon: Atarashii Ryoshi Kagaku (Modern Quantum Chemistry (first half): Introduction to Advanced Electronic Structure Theory)), University of Tokyo Press, pgs. 155-159 (1987) (w/concise English Explanation)	
	CH	Peter Pulay, "Direct Use of the Gradient for Investigating Molecular Engery Surfaces", Eotvos L. University, Department of General and Inorganic Chemistry, Budapest, pgs. 153-185 (1977)	
	CI	Pople et al., International Journal of Quantum Chemistry: Quantum Chemistry Symposium, Vol. 13, pgs. 225-241 (1979)	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Michael Borin/	Date Considered	05/08/2009
-----------------------	-----------------	--------------------	------------